

**Abstract**

Compounds having structure (I) where X is CH or N, Y is -CO-, -CONW-, -O-, -S-, -SO<sub>2</sub>-, -NWCO-, -NW-, or -OCO-, W is the same or different at different places in the molecule and each is H or alkyl or aryl or Rp or -Ln-Rp, Ln is a linker group, Rp is a reporter moiety, and Q is a sugar or a sugar analogue or a nucleic acid backbone analogue, provided that at least one reporter moiety Rp is present, provide nucleoside triphosphates which are good enzyme substrates.